

J. E. LONERGAN.
Lubricating-Cups.

No. 157,076.

Patented Nov. 24, 1874.

FIG. I.

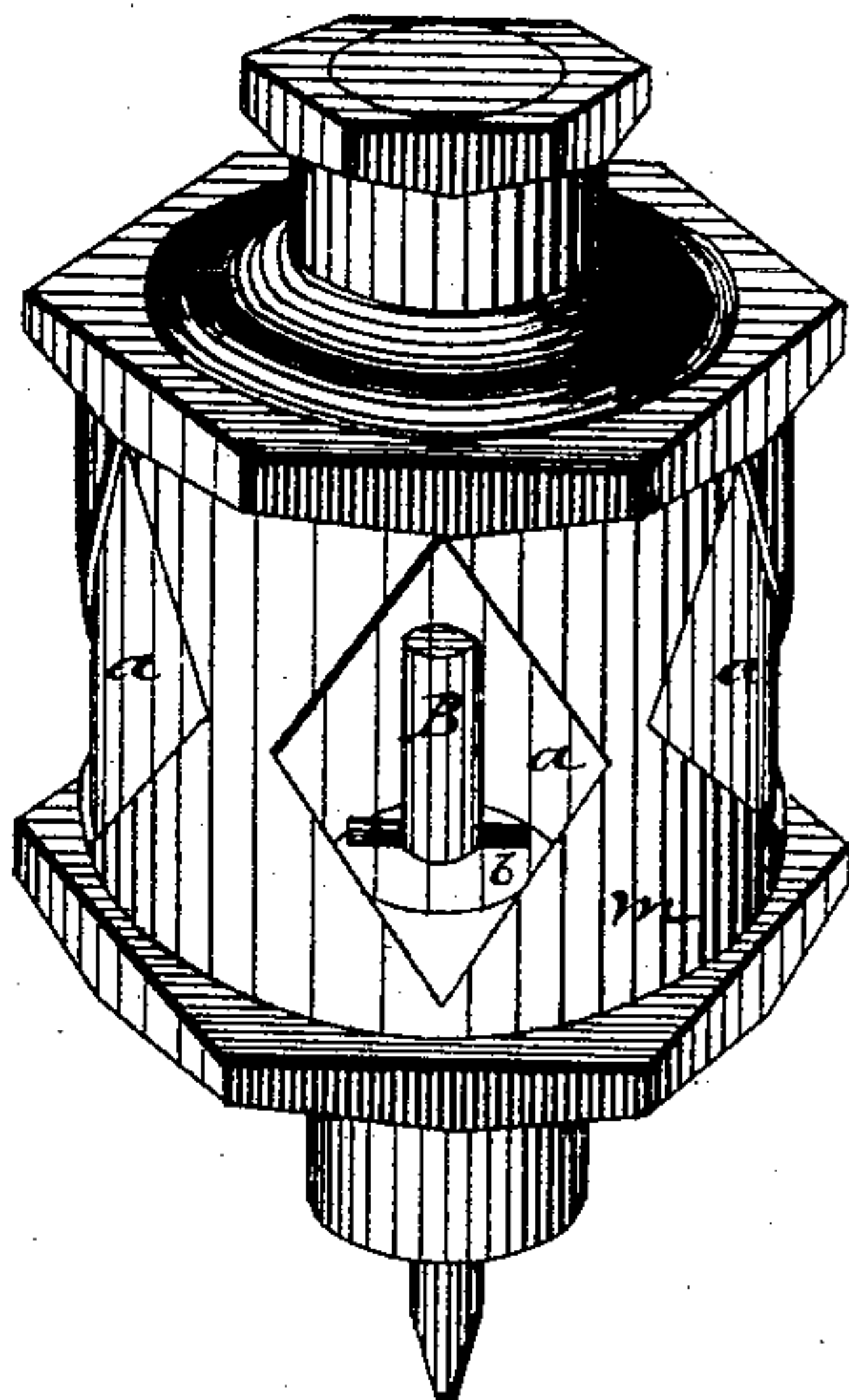
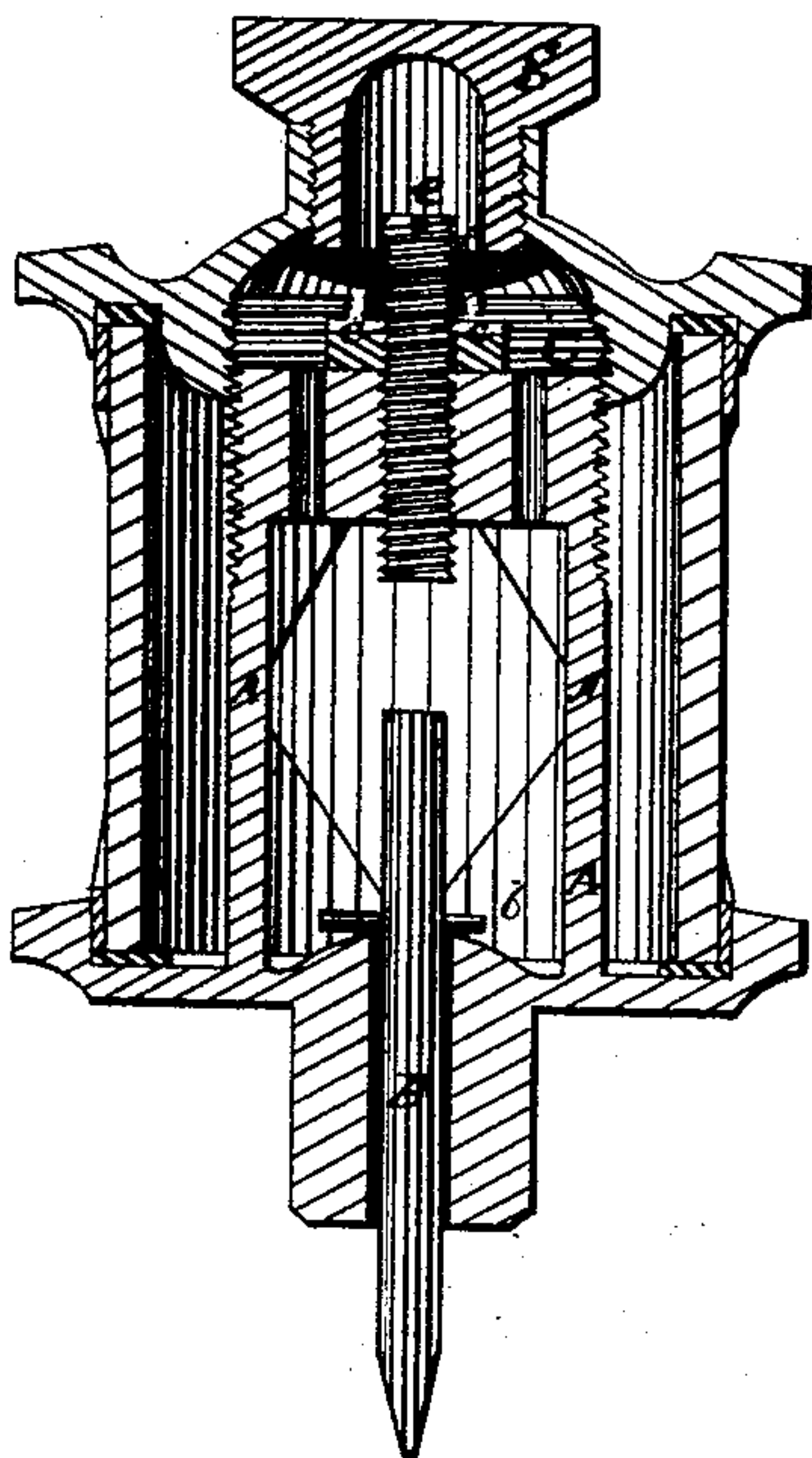


FIG. II.



WITNESSES.

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IMPROVEMENT IN LUBRICATING-CUPS.

Specification forming part of Letters Patent No. **157,076**, dated November 24, 1874; application filed October 9, 1874.

To all whom it may concern:

Be it known that I, JOHN E. LONERGAN, of Sacramento, California, have invented a new and useful Improvement in Oil-Cups, of which the following is a clear, full, and exact description, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 represents a perspective of my oil-cup, and Fig. 2 a vertical section of same.

My invention relates to oil-cups used for lubricating purposes; and it consists in the several combinations of parts hereinafter set forth and explained.

To enable others skilled in the art to make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the drawings, A represents an inner skeleton frame of metal, with the outer glass cylinder *a a* so fitted and united as to prevent leakage of the oil. B is a stem, extending downward through the center of the lower portion of the cup, and having its lower end made conical, in order that the drops of oil, though smaller, may be more frequent. This stem also tapers gradually from the stop-wire *b* to its lower end, say about the one-hundredth part of an inch, so as to secure an increase of feed by simply an increase in the lift, as will be readily understood by any one familiar with the use of oil-cups. By the use of the stop-wire *b* I prevent the stem from resting on the journal or parts to be oiled. A constant bearing of the stem upon a journal would wear a crease in the journal, which the oil would necessarily follow, to the detriment of other portions of the journal requiring lubrication. In the upper portion of the skeleton frame A, where it unites with the top or cap, is a bridge, C, containing several small holes, *c c*, through which the cup is filled with oil. Through the bridge C passes a lifting-screw, *e*, which is provided with a locking

screw-nut, *f*. The lifting or regulating screw *e* is to regulate the stem B and adjust the feed, particularly when attached to locomotive-rods, or any machinery which might cause the cup to revolve. After the stem B has been once adjusted, the required variation of the feed can be readily secured by the lift which is given by the regulating-screw *e*. The plug *g*, which is screwed into the top of the cup, is made hollow, as shown in the drawings, in order to secure room for the movements of the screw *e*, as may be required in regulating the feed. Over the glass cylinder *a a* I have placed a movable metal cover, *m*, with diamond-shaped openings, as a matter of protection; but this may be dispensed with at will, or varied to suit the taste of the person using the cup.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The regulating-screw *e*, in combination with the perforated bridge C and the stem B, provided with the stop-wire *b*, substantially as and for the purpose set forth.

2. In an oil-cup constructed as described, the stem B, provided with the stop-wire *b*, substantially as and for the purpose set forth.

3. The screw *e*, provided with the check-nut *f*, in combination with the stem B, having the stop-wire *b*, substantially as and for the purpose set forth.

4. An oil-cup constructed as described, and consisting of the frame A, cylinder *a a*, stem B, stop-wire *b*, perforated bridge C, screw *e*, plug *g*, and cover *m*, constructed and arranged substantially as and for the purpose set forth.

JOHN E. LONERGAN.

Witnesses:

A. LEONARD,
F. G. WATERHOUSE.